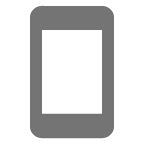
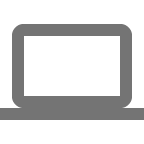
**Eventful**

Platform Architecture

Recommendation System



Static Content  
Cloud Storage



Dynamic Content  
Cloud SQL



Dynamic Content  
Cloud Datastore

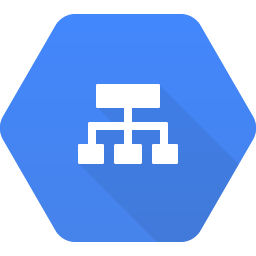


Front End App  
App Engine

Autoscaling



Cloud Load  
Balancing



Cloud  
DNS



Main Components of our Project: -

* Website (Frontend) and its integration with our database
* College Events Scrapping from multiple UIC and University of Chicago websites.
* Scrapping of all the bars in Chicago along with their rating from Yelp
* Recommendation System

1. Website: -

Our website was built on Wordpress and is hosted on Hostinger. We used hostinger’s default mysql database to store all our events data.

We used it remote SQL feature to update the scrapped events daily

We set up a batch job to daily update the events database (Adding new events only)

1. Scrapping websites: -

We scrapped various college website by building a script which used beautifulsoup

We analyzed each of the website’s html structure and designed the code accordingly. While scrapping bar’s data from Yelp, we used Yelp’s API along with postman in order to extract data.

1. Recommendation System

We built a friendship-based recommendation system which takes into account if a user is friends with another user and based on the events visited by a friend, recommends new events to the user.

We have removed all the credentials used to access the database due to privacy reasons.